

US 20160062408A1

(19) United States

(12) Patent Application Publication LEE et al.

(10) **Pub. No.: US 2016/0062408 A1**(43) **Pub. Date:** Mar. 3, 2016

(54) FOLDABLE ELECTRONIC DEVICE

(71) Applicant: **SAMSUNG ELECTRONICS CO.,** LTD., Suwon-si (KR)

(72) Inventors: Ga-eun LEE, Suwon-si (KR); Hee-seok JEONG, Suwon-si (KR); Kyung-wan PARK, Suwon-si (KR); Yong-jun LIM, Seoul (KR); Shi-yun CHO, Anyang-si

(KR)

(73) Assignee: SAMSUNG ELECTRONICS CO.,

LTD., Suwon-si (KR)

(21) Appl. No.: 14/830,853

(22) Filed: Aug. 20, 2015

(30) Foreign Application Priority Data

Aug. 28, 2014 (KR) 10-2014-0113345

Publication Classification

(51) Int. Cl. G06F 1/16 (2006.01) G06F 3/041 (2006.01)

(57) ABSTRACT

A foldable electronic device including: a first body; a second body; a connection part configured to connect the first body to the second body so that the first body and the second body are rotatable to a first state in which the first and second bodies are unfolded and to a second state in which the first and second bodies overlap each other; a flexible display element that passes over the connection part and is supported by the first and second bodies; and a roller that is rotatably installed at an end of the first body and connected to an end of the flexible display element, wherein the flexible display element is located at an outer circumference of the first body, the second body, and the connection part in the second state, and wherein a part of the flexible display element is rolled around the roller in the first state.

